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Daniel Drimbe* (ddrimbe@ucsd.edu), 8324 Regents Road, Unit #1F, San Diego, CA 92122,
and **Daniel Hoff** and **Adrian Ioana**. *Prime II_1 factors arising from irreducible lattices in
products of rank one simple Lie groups.*

In this talk I will present joint work with Daniel Hoff and Adrian Ioana in which we obtain that II_1 factors associated to icc irreducible lattices in products of simple Lie groups of rank one are prime, i.e. they cannot be decomposed as a tensor product of II_1 factors. This gives the first examples of prime II_1 factors arising from lattices in higher rank semisimple Lie groups. (Received September 12, 2017)